



16138 U.S. PTO
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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR § 1.53(b))</i> Certificate of Mailing by Express Mail: I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 on the date indicated and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450	Attorney Docket No.	0094.03
	First Inventor	Gerard R. Lazo et al.
	Title	Computer Display Tool for Visualizing Relationships Between and Among Data
	Express Mail Label No.	ER 316838696 US

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17) <i>(Submit an original and duplicate for fee processing)</i>	7. <input checked="" type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program Appendix
2. <input type="checkbox"/> Applicant Claims Small Entity Status See 37 CFR 1.27	8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies
3. <input checked="" type="checkbox"/> Specification Total Pages: 28 (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the invention - Brief Summary of the invention - Brief Description of the Drawings <i>(if filed)</i> - Detailed Description - Claim(s) - Abstract of the Disclosure	ACCOMPANYING APPLICATION PARTS 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input checked="" type="checkbox"/> Nonpublication Request Under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input checked="" type="checkbox"/> Other: Petition to Submit Color Drawings and Transmittal of Formal Drawings
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) Total Sheets: 9	
5. <input checked="" type="checkbox"/> Oath or Declaration Total Sheets: 1 a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 (2 Pages)	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part(CIP) of prior application no.:
Prior application information: Examiner: Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ **CUSTOMER NUMBER: 25278**

Name (Print/Type)	David R. Nicholas	Registration No. (Attorney/Agent)	38,981
Signature		Date	December 12, 2003

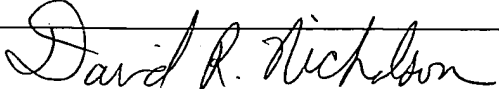
This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

031356 U.S. PTO
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<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">FY04</h3> <p style="margin: 5px 0 0 20px;">Effective 10/01/2003. Patent fees are subject to annual revision.</p>				Complete if Known																																																																																																																			
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<p>The Commissioner is hereby authorized to charge any fees set forth in CFR §§ 1.116 to 1.118 to the Deposit Account listed below for the entire pendency of the application, or credit any overpayment to this account. A duplicate copy of this sheet is enclosed: Deposit Account No. 50-2135 Deposit Account Name: USDA, ARS, OTT Patent Advisor</p>				3. ADDITIONAL FEES																																																																																																																			
				<p>Large Entity:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Code</th> <th style="text-align: left;">Fee (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>Surcharge-Late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>Non-English Specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>420</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>950</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>330</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>330</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>290</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>Petition to revive – unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>Petition to revive – unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>480</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>640</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td style="text-align: right;">130.00</td> </tr> <tr> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(q)</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td style="text-align: right;">40.00</td> </tr> <tr> <td>1809</td> <td>770</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>770</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>770</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> </tbody> </table> <p>Other fee (specify): * Reduced by basic filing fee paid</p>				Code	Fee (\$)	Fee Description	Fee Paid	1051	130	Surcharge-Late filing fee or oath		1052	50	Surcharge-late provisional filing fee or cover sheet		1053	130	Non-English Specification		1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	Extension for reply within first month		1252	420	Extension for reply within second month		1253	950	Extension for reply within third month		1254	1,480	Extension for reply within fourth month		1255	2,010	Extension for reply within fifth month		1401	330	Notice of Appeal		1402	330	Filing a brief in support of an appeal		1403	290	Request for oral hearing		1451	1,510	Petition to institute a public use proceeding		1452	110	Petition to revive – unavoidable		1453	1,330	Petition to revive – unintentional		1501	1,330	Utility issue fee (or reissue)		1502	480	Design issue fee		1503	640	Plant issue fee		1460	130	Petitions to the Commissioner	130.00	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	Submission of Information Disclosure Statement		8021	40	Recording each patent assignment per property (times number of properties)	40.00	1809	770	Filing a submission after final rejection (37 CFR 1.129(a))		1810	770	For each additional invention to be examined (37 CFR 1.129(b))		1801	770	Request for Continued Examination (RCE)	
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Name (Print/Type): David R. Nicholson				Registration No. 38,981		Telephone: 510-559-5731 or 510-559-6067																																																																																																																	
Signature: 				(Attorney/Agent)		Date: December 12, 2003																																																																																																																	

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PATENT

Certificate of Mailing by Express Mail

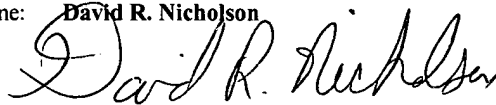
Express Mail No.: **ER 316868696 US**

Date: **December 12, 2003**

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Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450

Depositor's Name: **David R. Nicholson**

Depositor's Signature: _____



Appl. No. : New Utility Application
Applicant : Gerard R. Lazo et al.
Title : Computer Display Tool for Visualizing
Relationships Between and Among Data

TC/A.U. : Not yet Assigned
Examiner : Not yet Assigned

Docket No. : 0094.03

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

PETITION TO SUBMIT COLOR DRAWINGS and
TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Applicants hereby petition the Commissioner pursuant to 37 CFR 1.84(a)(2) in order to submit color drawings. Color drawings are necessary in this case because the invention is, in part, a graphical display which uses color to help the user see relationships between and among various data.

Accordingly, applicants submit herewith Formal Figures 1-8 (9 pages). Enclosed are Formal Figures 1-6 which are submitted with three (3) sets in color and one (1) set in black and white. Formal Figures 7-8 are submitted in black and white only.

Applicants also submit the fee (\$130.00) required Under 37 CFR 1.17(h) for the filing of this petition.

12/16/2003 FFANAEIA 00000090 502135 10734366

04 FC:1460

130.00 DA

Docket No. 0094.03

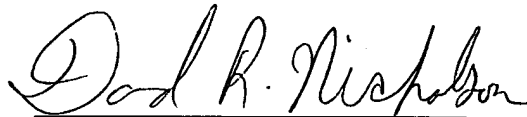
Gerard R. Lazo et al.

Fee Authorization

The Commissioner is hereby authorized to charge the required fee of \$130.00 for the filing of this petition to Deposit Account No. 50-2135. The Commissioner is also authorized to charge Deposit Account No. 50-2135 for any additional fees necessitated by the filing of these documents. A duplicate copy of the FY04 Fee Transmittal is also enclosed.

If there are any questions or comments the undersigned attorney earnestly requests a telephone conference.

Respectfully submitted,

A handwritten signature in cursive script, reading "David R. Nicholson".

David R. Nicholson
Attorney of Record
Registration No. 38,981

Telephone: 510-559-5731 or 510-559-6067

Enclosures:

Formal Figures 1-6, 3 sets of color, 1 set of black and white drawings

Formal Figures 7-8, 1 set of black and white drawings

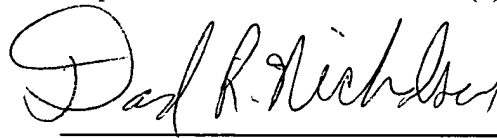
NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i) Certificate of Mailing I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 on the date indicated and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450	First Named Inventor	Gerard R. Lazo et al.
	Title	Computer Display Tool For Visualizing Relationships Between and Among Data
	Docket Number	0094.03
	Express Mail No. Date	ER 316868696 US December 12, 2003

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122 (b).

December 12, 2003

Date



Signature

510-559-5731 or 510-559-6067

Telephone Number

David R. Nicholson

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must **notify** the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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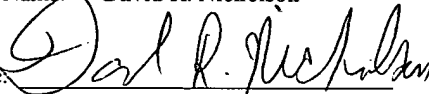
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Depositor's Name: **David R. Nicholson**

Depositor's Signature: 

Appl. No. : New Utility Application
Applicant : Gerard R. Lazo et al.
Title : Computer Display Tool for Visualizing
Relationships Between and Among Data

TC/A.U. : Not yet Assigned
Examiner : Not yet Assigned

Docket No. : 0094.03

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF COMPUTER PROGRAM LISTING APPENDIX
COMPACT DISCS (CD-R) COPIES 1 AND 2

Sir:

I hereby state that the Computer Program Listing Appendix recorded on the Compact Discs Copy 1 and 2 are identical and are filed herewith in accordance with 37 CFR 1.52(e).

The Machine format for each compact disc is IBM-PC, the operating system is Unix,

The File names, file size and file creation dates are as follows:

./CCV/src/	0	
./CCV/src/README_CCV.txt	5416	11/24/2003 09:24
./CCV/src/CViewer.java	640741	11/21/2003 13:49
./CCV/src/servletApp.jar	14315	11/21/2003 17:54
./CCV/src/CViewer.html	162	11/21/2003 17:36
./CCV/src/EstsOfLibrary.java	777	11/21/2003 13:48

Docket No. 0094.03
Gerard R. Lazo et al.

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./CCV/src/DataClient.java	14377	11/21/2003 15:42
./CCV/src/Data.java	4449	11/21/2003 13:49
./CCV/src/sampleddata/	0	
./CCV/src/sampleddata/README	309	11/24/2003 09:13
./CCV/src/sampleddata/W_Contig_List.txt	101970	11/24/2003 09:18
./CCV/src/sampleddata/W_libinfo.txt	2159	11/21/2003 19:13
./CCV/src/sampleddata/W_lib_list.txt	458	11/24/2003 09:19
./CCV/src/sampleddata/W_EST_Contig_Lib.txt	1591304	11/24/2003 09:17

Respectfully Submitted,



David R. Nicholson
Attorney of Record
Registration No. 38,981

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Enclosures:

CD-R's (Copy 1 and Copy 2) of Computer Program Listing Appendix